



Welcome to the Snowmass Muon Collider Forum

Accelerator Frontier: Derun Li (LBNL), and Diktys Stratakis (Fermilab)

Energy Frontier: Kevin Black (Univ. of Wisconsin-Madison), and Sergo Jindariani (Fermilab)

Theory Frontier: Patrick Meade (Stony Brook Univ.), and Fabio Maltoni (Louvain U., CP3)

Charge From the AF+EF+TF Conveners

“Dear Colleagues, On behalf of Accelerator Frontier, Energy Frontier and Theory Frontier, we are pleased to announce a multi-frontier forum on muon collider discussions.”

“The intent of this Forum is to create a venue where people participating in Snowmass who are also interested in the muon collider can freely share ideas and studies across frontiers, learn from each other, in harmony with the wider muon collider community. We envision that this Forum may also organize general seminars focused on various aspects of muon collider physics potential and feasibility, and possibly host workshops etc. depending on the interest of the community.

This charge may also evolve with time, depending on how the engagement of the community nucleates. We have created a channel on slack: “muon-collider-forum” for related discussions.

We are looking forward to enthusiastic participation from many of you.

Regards,

AF, EF, TF conveners and liaisons.”

Staying Connected

- ♦ Mailing list: Snowmass-Muon-Collider-Forum@FNAL.GOV
 - Subscribe via Fermilab listserv
- ♦ Slack channel: [muon-collider-forum](#)
- ♦ Announcements of workshops etc will be circulated on AF, EF and TF mailing lists

Future Meetings

- ♦ Regular, but not very frequent meetings. Allow ample time for discussions
- ♦ Cover main topics/issues in physics, accelerator, detectors
 - Physics goals, various energy and luminosity options, technology challenges and advancements
 - Converge on baseline scenarios that can be considered in Snowmass.
 - Discuss other synergistic cross-frontier ideas (e.g. NuStorm, others)
 - Will make and circulate the initial list for feedback
- ♦ Organize occasional workshops dedicated to specific areas
 - Jointly with frontier conveners and liaisons
 - Note that there will be a Muon Collider mini-symposium during the APS April meeting
- ♦ Active effort in Europe:
 - A lot of progress on technical side (physics, simulation, detectors...)
 - CERN hosted International Muon Collider Collaboration is being formed
 - Common interests and synergies
- ♦ We are open to your input about the best way to organize the Forum

Today's Agenda

10:30 AM → 10:40 AM **Introduction**

10:40 AM → 11:00 AM **Muon Collider summary from TF**

Speakers: Fabio Maltoni (Universite' catholique de Louvain), Patrick Meade (Stony Brook University)

11:00 AM → 11:20 AM **Muon Collider summary from AF**

Speakers: Derun Li (LBNL), Diktys Stratakis (Fermi National Accelerator Laboratory)

11:20 AM → 11:40 AM **Muon Collider summary from EF**

Speakers: Kevin Black, Sergo Jindariani (FNAL)

11:40 AM → 12:30 PM **Discussion**